

ABSTRACT OF THE DISCLOSURE

The present invention relates to a high strength hot rolled steel sheet containing 0.15 % or less C, 0.02 to 0.35 % Ti, and 0.05 to 0.7 % Mo by weight percentage and consisting essentially of a matrix of ferrite structure single phase and fine precipitates with a grain size of smaller than 10 nm dispersed in the matrix, for example, a high strength hot rolled steel sheet which consists essentially of 0.06 % or less C, 0.5 % or less Si, 0.5 to 2.0 % Mn, 0.06 % or less P, 0.005 % or less S, 0.1 % or less Al, 0.006 % or less N, 0.02 to 0.10 % Ti, 0.05 to 0.6 % Mo by weight percentage, and the balance being Fe, wherein fine precipitates with a grain size of smaller than 10 nm are dispersed in a matrix of ferrite structure single phase at a number per unit volume of $5 \times 10^4/\mu\text{m}^3$ or higher. This steel sheet, which has tensile strength of not lower than 550 MPa, high elongation and excellent stretch flangeability, is suitable for intricately shaped automotive chassis parts such as a suspension arm.